

**Document: NIST CCRATWG – XX**

**Date: May 29, 2014**

**Charter for the NIST Cloud Computing Reference Architecture and Taxonomy (RATAX) - Federated  
Community Cloud Public Working Sub-Group (SWG)  
(RATAX-FCCSWG)**

**Background**

NIST is leading the development of a **United States Government (USG) Cloud Computing Technology Roadmap**. This roadmap will define and prioritize USG requirements for interoperability, portability, and security for cloud computing in order to support secure and effective USG adoption of Cloud Computing. To help develop the ideas in the **USG Cloud Computing Technology Roadmap**, NIST has created public working groups to focus and develop key aspects of cloud computing needed to advance the adoption of the new technology.

**Scope**

This public working group will focus on developing an approach to advancing the Federated Community Cloud, which falls under Requirement 5 of the U.S. Government Cloud Computing Technology Roadmap, USG-Wide Use of Cloud Computing Standards. Not to be confused with the concept of cloud deployment models, the focus of Federated Community clouds is to develop a framework to support seamless implementations of disparate community cloud environments. The future of cloud computing is where both internal and external cloud resources from multiple providers are deployed and managed in order to meet business needs. To achieve this industry and government will need to work together to develop frameworks, technologies, and methodologies that can support seamless implementation of various cloud computing environments through a focus on interoperability and portability standards.

This public working group will work towards

- Developing a common understanding and definition of what a Federated Cloud entails
- identifying the requirements needed to reach the achieve a Federated cloud,
- identifying the technology and standards gaps that need to be addressed in order to enable the Federated Cloud,
- And a development path that will lead to the federated Cloud.

The NIST Cloud Computing RATax Federated Cloud WG will seek to leverage the existing, publicly available work, plus the work of the other NIST Working Groups to produce stated goals.

**Deliverables**

1. A common definition of what is a Federated Cloud.
2. A requirements analysis for the Federated Cloud.
3. Collection of uses cases supporting the need for a Federated Cloud
4. List of needed technologies and standards
5. Development path for the Federated Cloud identifying key stakeholders

**Target Date**

The goal for completion of the work is Fall 2015.

**Meeting Frequency**

It is anticipated that there will be monthly meetings by teleconferences for 2-hours. A schedule of meetings & times will be supplied.

**Membership**

Participation in the WG is open to all interested parties. There are no membership fees

**Co-Conveners**

Stephen Diamond IEEE

John Messina, NIST

**Liaisons**

The work of the NIST Cloud Computing Working Groups is interrelated. The Cloud Computing Reference Architecture and Taxonomy Working Group will liaise with the other Working Groups as needed.

**Standing Rules**

Documents shall be made available to all WG members. Final recommendations from the WG will be made publicly accessible on the NIST Cloud Computing Portal.

**Outreach**

NIST will make the results of this WG available to Standards Developing Organizations (SDOs) and other interested parties